

# **METHOD AND ARRANGEMENT FOR AFFECTING ENGINE BRAKING**

## **Abstract**

Method and arrangement for engine breaking in motor vehicles having an internal combustion engine with at least one cylinder, at least one exhaust valve at the cylinder and a rocker arm (4) for activation of the exhaust valve. The rocker arm (4) is arranged on a hollow rocker arm shaft (5) and arranged to be effected by ridges (2a, 2b, 2c) on a camshaft (2), the device additionally having a control valve (15, 16) for controlling the oil pressure in the rocker arm shaft (5), and means (6; 14) receptive to an increase of the oil pressure in the rocker arm shaft (5) being integrated in the rocker arm (4) for absorbing a play between the rocker arm (4) and the exhaust valve in the case of increase oil pressure. At least one of the ridges (2b, 2c) causes opening of the exhaust valve with an engine breaking effect. The control valve (15) includes an adjustable valve body (18, 19) and a canal (23) between the valve body (18, 19) and the rocker arm shaft (5) that has a controllable exhaust (36), the valve body (18, 19) being arranged to be positioned in a first position with pressure reducing effect and a second position without pressure reducing effect.